

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10764800
Filing Date		2004-01-26
First Named Inventor	M.F. FONTOURA et al.	
Art Unit	2166	
Examiner Name	Mohammad Ali	
Attorney Docket Number	SVL920030118US1	

U.S. PATENTS						<a href="#">Remove</a>
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	4965763		1990-10-23	Zamora	
	2	5187790		1993-02-16	East et al.	
	3	5265221		1993-11-23	Miller	
	4	5297039		1994-03-22	Kanaegami et al.	
	5	5638543		1997-06-10	Pederson et al.	
	6	5708825		1998-01-13	Sotomayor	
	7	5721938		1998-02-24	Stuckey	
	8	5721939		1998-02-24	Kaplan	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10764800
Filing Date		2004-01-26
First Named Inventor	M.F. FONTOURA et al.	
Art Unit		2166
Examiner Name	Mohammad Ali	
Attorney Docket Number		SVL920030118US1

	9	5832480		1998-11-03	Byrd, Jr. et al.	
	10	5809502		1998-09-15	Burrows	
	11	5862325		1999-01-19	Reed et al.	
	12	5884305		1999-03-16	Kleinberg et al.	
	13	5890103		1999-03-30	Carus	
	14	5903646		1999-05-11	Rackman	
	15	5909677		1999-06-01	Broder et al.	
	16	5933822		1999-08-03	Braden-Harder et al.	
	17	5963940		1999-10-05	Liddy et al.	
	18	5974412		1999-10-26	Hazlehurst et al.	
	19	6026388		2000-02-15	Liddy et al.	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10764800
Filing Date		2004-01-26
First Named Inventor	M.F. FONTOURA et al.	
Art Unit		2166
Examiner Name	Mohammad Ali	
Attorney Docket Number		SVL920030118US1

	20	6029165		2000-02-22	Gable	
	21	6035268		2000-03-07	Carus et al.	
	22	6119124		2000-09-12	Broder et al.	
	23	6182062		2001-01-30	Fujisawa et al.	
	24	6192333		2001-02-20	Pentheroudakis	
	25	6205456		2001-03-20	Nakao	
	26	6243713		2001-06-05	Nelson et al.	
	27	6269361		2001-07-31	Davis et al.	
	28	6285999		2001-09-04	Page	
	29	6295529		2001-09-25	Corston-Oliver et al.	
	30	6308179		2001-10-23	Peterson et al.	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10764800
Filing Date		2004-01-26
First Named Inventor	M.F. FONTOURA et al.	
Art Unit		2166
Examiner Name	Mohammad Ali	
Attorney Docket Number		SVL920030118US1

	31	6324566		2001-11-27	Himmel et al.	
	32	6381602		2002-04-30	Shoroff et al.	
	33	6421655		2002-07-16	Horvitz et al.	
	34	6519592		2003-02-11	Getchius et al.	
	35	6547829		2003-04-15	Meyerzon et al.	
	36	6553385		2003-04-22	Johnson et al.	
	37	6578032		2003-06-10	Chandrasekar et al.	
	38	6594682		2003-07-15	Peterson et al.	
	39	6615209		2003-09-02	Gomes et al.	
	40	6618725		2003-09-09	Fukuda et al.	
	41	6622211		2003-09-16	Henry et al.	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10764800
Filing Date		2004-01-26
First Named Inventor	M.F. FONTOURA et al.	
Art Unit		2166
Examiner Name	Mohammad Ali	
Attorney Docket Number		SVL920030118US1

	42	6631369		2003-10-07	Meyerzon et al.	
	43	6631496		2003-10-07	Li et al.	
	44	6633872		2003-10-14	Ambrosini et al.	
	45	6643650		2003-11-04	Slaughter et al.	
	46	6658406		2003-12-02	Mazner et al.	
	47	6658423		2003-12-02	Pugh et al.	
	48	6665657		2003-12-16	Dibachi	
	49	6678409		2004-01-13	Wu et al.	
	50	6754873		2004-06-22	Law et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

**U.S.PATENT APPLICATION PUBLICATIONS**

Remove

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
-------------------	---------	--------------------	------------------------	------------------	---	--

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( Not for submission under 37 CFR 1.99)

Application Number		10764800
Filing Date		2004-01-26
First Named Inventor	M.F. FONTOURA et al.	
Art Unit		2166
Examiner Name	Mohammad Ali	
Attorney Docket Number		SVL920030118US1

	1					
--	---	--	--	--	--	--

If you wish to add additional U.S. Published Application citation information please click the Add button. [Add](#)

## **FOREIGN PATENT DOCUMENTS**

[Remove](#)

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> ;	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	0 809 197	EP		1997-11-26	Ishikawa et al.		<input type="checkbox"/>
	2	9749048	WO		1997-12-24	Yanhong		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add](#)

## **NON-PATENT LITERATURE DOCUMENTS**

[Remove](#)

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	1	AGRAWAL, S., S CHAUDHURI and G. DAS, "DBXplorer: A System for Keyword-Based Search over Relational Databases," Proceedings of 18th International Conference on Data Engineering, 2002, 12 pp.	<input type="checkbox"/>
	2	AGRAWAL, S., S CHAUDHURI and G. DAS, "DBXplorer: Enabling Keyword Search over Relational Databases", Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data, 2002, pg. 627.	<input type="checkbox"/>
	3	BHALOTIA, G., A. HULGERI, C NAKHE, S. CHAKRABARTI and S. SUDARSHAN, "Keyword Searching and Browsing in Databases Using BANKS", Proceedings of the 18th International Conference on Data Engineering, 2002, 10 pp.	<input type="checkbox"/>
	4	BRIN, S. and L. PAGE, "The Anatomy of a Large-Scale Hypertextual Web Search Engine", Computer Networks and ISDN Systems, Vol. 30, No. 1-7, 1998, pp. 107-117.	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10764800
Filing Date		2004-01-26
First Named Inventor	M.F. FONTOURA et al.	
Art Unit		2166
Examiner Name	Mohammad Ali	
Attorney Docket Number		SVL920030118US1

5	BRODER, A.Z., D. CARMEL, M. HERSCOVICHI, A. SOFFER and J. ZIEN, "Efficient Query Evaluation Using a Two-Level Retrieval Process", Twelfth International Conference on Information Knowledge Management (CIKM 2003), 2003, pp. 426-434.	<input type="checkbox"/>
6	BRODER, A.Z., S.C. GLASSMAN, M.S. MANASSE, and G. ZWEIG, "Syntactic Clustering of the Web", Computer Networks and ISDN Systems, Vol. 29, Iss. 8-13, 1997, pp. 1157-1166.	<input type="checkbox"/>
7	BRUNO, N., K. KOUDAS and D. SRIVASTAVA, "Holistic Twig Joins: Optimal XML Pattern Matching", Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data, 2002, pp. 310-321.	<input type="checkbox"/>
8	CARMEL, D., Y. MAAREK, M. MANDELBROD, Y. MASS and A. SOFFER, "Searching XML Documents via XML Fragments," Proceedings of the 26th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, 2003, pp. 151-158.	<input type="checkbox"/>
9	FONTOURA, M., E. SHEKITA, J. ZIEN, S. RAJAGOPALAN and A. NEUMANN, "High Performance Index Build Algorithms for Intranet Search Engines", Proceedings of 30th International Conference on Very Large Data Bases, 2004, pp. 1158-1169.	<input type="checkbox"/>
10	FRENCH, G., "Hacking the Google Numrange Operator", [online], April 1, 2004, [retrieved on August 31, 2004], retrieved from the Internet at <URL: <a href="http://www.webpronews.com/insiderreports/searchinsider/wpn-49-20040401HackingtheGoogleNumrangeOperator.html">http://www.webpronews.com/insiderreports/searchinsider/wpn-49-20040401HackingtheGoogleNumrangeOperator.html</a> >.	<input type="checkbox"/>
11	GOOGLE, "Advanced Search", [online], 2003, [retrieved on August 31, 2004], retrieved from the Internet at <URL: <a href="http://www.google.com/help/refinerearch.html">http://www.google.com/help/refinerearch.html</a> >.	<input type="checkbox"/>
12	GRAVANO, L., P.G. IPEIROTIS, N. KOUDAS and D. SRIVASTAVA, "Text Joins in an RDBMS for Web Data Integration", Proceedings of the 12th International Conference on World Wide Web, 2003, pp. 90-101.	<input type="checkbox"/>
13	GUTTMAN, A., "R-Trees: A Dynamic Index Structure for Spatial Searching", Proceedings of the 1984 ACM SIGMOD International Conference on Management of Data, 1984, pp. 47-57.	<input type="checkbox"/>
14	HRISTIDIS, V. and Y. PAPAKONSTANTINOY, "DISCOVER: Keyword Search in Relational Databases", Proceedings of the 28th VLDB Conference, 2002, 12 pp.	<input type="checkbox"/>
15	KAUSHIK, R., R. KRISHNAMURTHY, J.F. NAUGHTON and R. RAMAKRISHNAN, "On the Integration of Structure Indexes and Inverted Lists," Proceedings of the 20th International Conference on Data Engineering, 2004, 1 pg.	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10764800
Filing Date		2004-01-26
First Named Inventor	M.F. FONTOURA et al.	
Art Unit		2166
Examiner Name	Mohammad Ali	
Attorney Docket Number		SVL920030118US1

16	MELNIK, S., S. RAGHAVAN, B. YANG AND H. GARCIA-MOLINA, "Building a Distributed Full-Text Index for the Web," ACM Transactions on Information Systems, Vol. 19, No. 3, July 2001, pp. 217-241.	<input type="checkbox"/>
17	PRESS, W.H., B.P. FLANNERY, S.A. TEUKOLSKY AND W.T. VETTERLING, "Numerical Recipes in C: The Art of Scientific Computing", 1998, Ch. 9, pp. 258-263.	<input type="checkbox"/>
18	RAGHAVAN, S. and H. GARCIA-MOLINA, "Complex Queries over Web Repositories", Proceedings of the 29th VLDB Conference, 2003, pp. 33-44.	<input type="checkbox"/>
19	RAGHAVAN, S. and H. GARCIA-MOLINA, "Integrating Diverse Information Management Systems: A Brief Survey", IEEE Data Engineering Bulletin, 2001, Vol. 24, No. 4, pp. 44-52.	<input type="checkbox"/>
20	RAMSAK, F., V. MARKL, R. FENK, M. ZIRKEL, K. ELHARDT and R. BAYER, "Integrating the UB-Tree into a Database System Kernel", Proceedings of 26th International Conference on Very Large Data Bases, September 2000, pp. 263-272.	<input type="checkbox"/>
21	SPERTUS, E. and L.A. STEIN, "Squeal: A Structured Query Language for the Web", Proceedings of the 9th international World Wide Web Conference on Computer Networks, 2000, pp. 95-103.	<input type="checkbox"/>
22	US Patent Application Serial No. 11/182,334, filed July 14, 2005, entitled "Enforcing Native Access Control to Indexed Documents", invented by R. LEMPEL, T. LEYBA, J.A. MCPHERSON, JR., and J.L. PEREZ.	<input type="checkbox"/>
23	US Patent Application Serial No. 11/295,397, filed December 5, 2005, entitled "Improving Text Search Quality by Exploiting Organizational Information", invented by T. HAMPP, M. BAESSLER, A. LANG, T.W. GOETZ, A. BAADER, and J. DOERRE.	<input type="checkbox"/>
24	LOMET, D. (Ed.), "Bulletin of the Technical Committee on Data Engineering", December 2001, Vol. 24, No. 4, 56 pp.	<input type="checkbox"/>
25	LU, W, L. CHIEN, & H. LEE, "Anchor Text Mining for Translation of Web Queries", Proceedings from the International Conference on Data Mining, November 2001, pp. 401-408.	<input type="checkbox"/>
26	PCT International Search Report and Written Opinion, May 6, 2005, for International Application No. PCT/EP2005/050321.	<input type="checkbox"/>



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10764800
Filing Date	2004-01-26
First Named Inventor	M.F. FONTOURA et al.
Art Unit	2166
Examiner Name	Mohammad Ali
Attorney Docket Number	SVL920030118US1

If you wish to add additional non-patent literature document citation information please click the Add button

Add

**EXAMINER SIGNATURE**

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10764800
Filing Date	2004-01-26
First Named Inventor	M.F. FONTOURA et al.
Art Unit	2166
Examiner Name	Mohammad Ali
Attorney Docket Number	SVL920030118US1

**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Janaki K. Davda/	Date (YYYY-MM-DD)	2006-09-12
Name/Print	Janaki K. Davda	Registration Number	40684

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

## Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.